

IN THE CLAIMS:

The claims are amended as follows:

1. (Currently Amended) A method to realize synchronization of data (DAT) sent from a ~~transmitter transmitting entity~~ (TX) to a ~~receiver receiving entity~~ (RX), with a signal (SIG) available in said ~~receiver receiving entity~~ (RX), characterized in that said method includes the steps of:

in said ~~receiver receiving entity~~ (RX) generating said signal available in said ~~receiver receiving entity~~ in accordance with a time moment when data fits into an available time frame in a predetermined place, wherein said signal available in said ~~receiver receiving entity~~ is not a signal with a constant frequency;

in said ~~receiver receiving entity~~ (RX) generating a trigger signal (T) from said signal (SIG) available in said ~~receiver receiving entity~~;

sending said trigger signal (T) from said ~~receiver receiving entity~~ (RX) to said ~~transmitter transmitting entity~~ (TX) to indicate that the ~~transmitter transmitting entity~~ is allowed to send said data (DAT); and

upon receipt of said trigger signal (T) by said ~~transmitter transmitting entity~~ (TX) sending said data (DAT) from said ~~transmitter transmitting entity~~ (TX) to said ~~receiver receiving entity~~ (RX) wherein said data (DAT) is for receipt in said ~~receiver receiving entity~~ synchronized with said signal (SIG) available in said ~~receiver receiving entity~~.

2. (Previously Amended) The method according to claim 1, characterized in that said data (DAT) is asynchronous data.

3. (Currently Amended) The method according to claim 1, characterized in that in the event that no data is available in said ~~transmitter transmitting entity~~ (TX) to be sent upon receipt of said trigger signal, said method further includes the step of sending idle data from said ~~transmitter transmitting entity~~ (TX) to said ~~receiver receiving entity~~ (RX).

4. (Currently Amended) A ~~receiver receiving entity~~ (RX) for receiving from a ~~transmitter transmitting entity~~ (TX) data (DAT), said data (DAT) synchronous with a signal (SIG) available in said ~~receiver receiving entity~~ (RX), characterized in that said ~~receiver receiving entity~~ (RX) includes:

a trigger generator (T-GEN) to generate a trigger signal (T) from said signal (SIG) available in said ~~receiver receiving entity~~ wherein said signal available in said ~~receiver receiving entity~~ is indicative of a time moment when data fits into an available time frame in a predetermined place, wherein said signal available in said ~~receiver receiving entity~~ is not a signal with a constant frequency;

a trigger sender (T-SEND) to send said trigger signal (T) from said ~~receiver receiving entity~~ (RX) to said ~~transmitter transmitting entity~~ (TX); and

a data ~~receiver receiving entity~~ (DAT-RX) to receive said data (DAT) sent by said ~~transmitter transmitting entity~~ (TX) to said ~~receiver receiving entity~~ (RX) upon receipt of said trigger signal (T) wherein said data (DAT) is for receipt in said ~~receiver receiving entity~~ synchronized with said signal (SIG) available in said ~~receiver receiving entity~~.

5. (Currently Amended) The ~~receiver receiving entity~~ (RX) according to claim 4, characterized in that said ~~receiver~~

receiving entity (RX) is included in an asymmetric digital subscriber line modem.

6. (Currently Amended) A transmitter transmitting entity (TX) for transmitting data (DAT) to a receiver receiving entity (RX), said data (DAT) synchronous with a signal (SIG) available in said receiver receiving entity (RX), characterized in that said transmitter transmitting entity (TX) includes:

a trigger receiver receiving entity (T-RX) to receive a trigger signal (T) generated by said receiver receiving entity (RX) from said signal (SIG) available in said receiver receiving entity and sent from said receiver receiving entity (RX) to said transmitter transmitting entity (TX) wherein said signal available in said receiver receiving entity is indicative of a time moment when data fits into an available time frame in a predetermined place, wherein said signal available in said receiver receiving entity is not a signal with a constant frequency; and

a data sender sending entity (DAT-SEND) to send data (DAT) from said transmitter transmitting entity (TX) to said receiver receiving entity (RX) upon receipt of said trigger signal (T) wherein said data (DAT) is for receipt in said receiver receiving entity already synchronized with said signal (SIG) available in said receiver receiving entity.

7. (Currently Amended) The transmitter transmitting entity (TX) according to claim 6, characterized in that said transmitter transmitting entity (TX) includes means an entity to send said data (DAT) in an asynchronous way.

8. (Currently Amended) The transmitter transmitting entity (TX) according to claim 6, characterized in that said transmitter

~~transmitting entity~~ (TX) includes an idle data generator (ID-GEN) to generate idle data and to send said idle data from said ~~transmitter~~ ~~transmitting entity~~ (TX) to said ~~receiver~~ ~~receiving entity~~ (RX) in the event that no data (DAT) is available in said ~~transmitter~~ ~~transmitting entity~~ (TX) upon receipt of said trigger signal (T).

9. (Currently Amended) The method of claim 1, wherein said ~~transmitter~~ ~~transmitting entity~~ is an asynchronous transfer mode (ATM) data stream.

10. (Currently Amended) The method of claim 1, wherein said ~~receiver~~ ~~receiving entity~~ comprises frames of a digital subscriber line data stream.

11. (Currently Amended) The method of claim 1, wherein upon receipt of said trigger signal (T), said ~~transmitter~~ ~~transmitting entity~~ (TX) sends said data immediately or after a predetermined period.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Currently Amended) ~~Reeeiver Receiving entity (RX)~~
comprising:

~~means a sending entity for sending an asynchronous trigger signal (T) from said ~~reeeiver receiving entity (RX)~~ to a transmitter transmitting entity (TX) to indicate a moment when data from said transmitter transmitting entity is needed;~~

~~means receiving entity for receiving (DAT-RZRX) a data signal (DAT) with said data from said transmitter transmitting entity, at said moment when data from said transmitter transmitting entity is needed;~~

~~trigger generating means generating entity (T-GEN), responsive to a signal (SIG) available in said ~~reeeiver receiving~~~~

entity but not having a constant frequency, for providing said asynchronous trigger signal; and

trigger sending means entity, responsive to said asynchronous trigger signal, for said sending said asynchronous trigger signal to said transmitter transmitting entity.

29. (Currently Amended) The receiver of claim 28, wherein said data signal is synchronized with said signal available in said receiver receiving entity.

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Currently Amended) Transmitter Transmitting entity (TX), comprising:

means trigger receiving entity (T-RX) for receiving (~~T-RX~~) an asynchronous trigger signal (T) from a receiver data receiving entity (RX) indicating a moment when data from said transmitter transmitting entity (TX) is needed;

means data sending entity (DAT-SEND) for providing (~~DAT-SEND~~) a data signal (DAT) with said data from said transmitter transmitting entity (TX) at said moment when data from said transmitter transmitting entity is needed;

~~means buffering entity (BUF) for buffering (BUF) said data until said asynchronous trigger signal is received by said means for receiving trigger receiving entity (T-RX); and~~

~~idle data generating entity (ID-GEN) means for providing idle data for sending said idle data to said receiver receiving entity (RX) in case no data is available in said transmitter transmitting entity upon receipt of said trigger signal.~~

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

39. (Currently Amended) Method to synchronize reception of data (DAT) sent from an asynchronous transfer mode ~~transmitter transmitting entity~~ (TX) to an asymmetric digital subscriber line framer (RX), with a signal (SIG) indicating to said asymmetric digital subscriber line framer (RX) the time moments when said data fits into a predetermined place in asymmetric digital subscriber line frames, said method including the steps of:

generating trigger signals (T) indicating that said asynchronous transfer mode ~~transmitter transmitting entity~~ (TX) is permitted to send said data;

sending said trigger signals (T) from said asymmetric digital subscriber line framer (RX) to said asynchronous transfer mode ~~transmitter transmitting entity~~ (TX);

upon receipt of said trigger signals (T) by said asynchronous transfer mode ~~transmitter transmitting entity~~ (TX) sending said data (DAT) from said asynchronous transfer mode

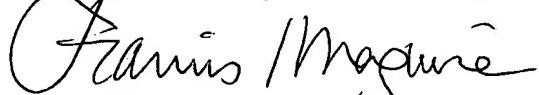
~~transmitter transmitting entity~~ (TX) to said asymmetric digital subscriber line framer (RX).

40. (Currently Amended) The method according to claim 39, characterized in that said method further comprises in the event that no data is available in said asynchronous transfer mode ~~transmitter transmitting entity~~ (TX) to be sent upon receipt of said trigger signals, sending idle data from said asynchronous transfer mode ~~transmitter transmitting entity~~ (TX) to said asymmetric digital subscriber line framer (RX).

REMARKS

This amendment is made for the purpose of changing for example the word "receiver" to "receiving entity" and the word "transmitter" to "transmitting entity" and to submit an Information Disclosure Statement.

Respectfully submitted,



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